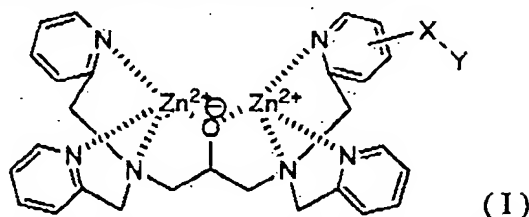


What is claimed is:

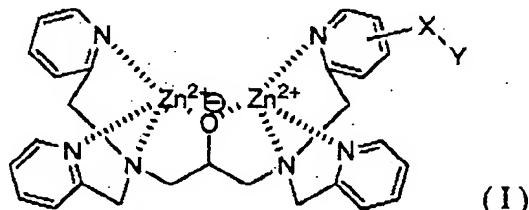
1. A method for labeling a phosphorylated peptide by a complex compound represented by the formula (I):



5 wherein X is a linker moiety, and Y is a labeling group.

2. The method according to Claim 1, wherein the complex compound is a compound having biotin as a labeling group.

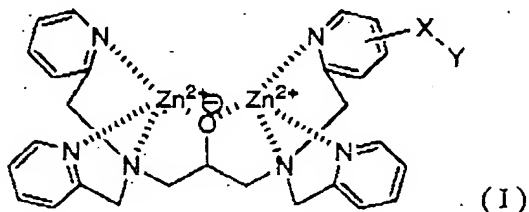
- 10 3. A method for adsorbing a phosphorylated peptide by using a complex compound represented by the formula (I):



wherein X is a linker moiety, and Y is a labeling group.

- 15 4. The method according to Claim 3, wherein the complex compound is a compound having biotin as a labeling group.

5. A complex compound represented by the formula (I):

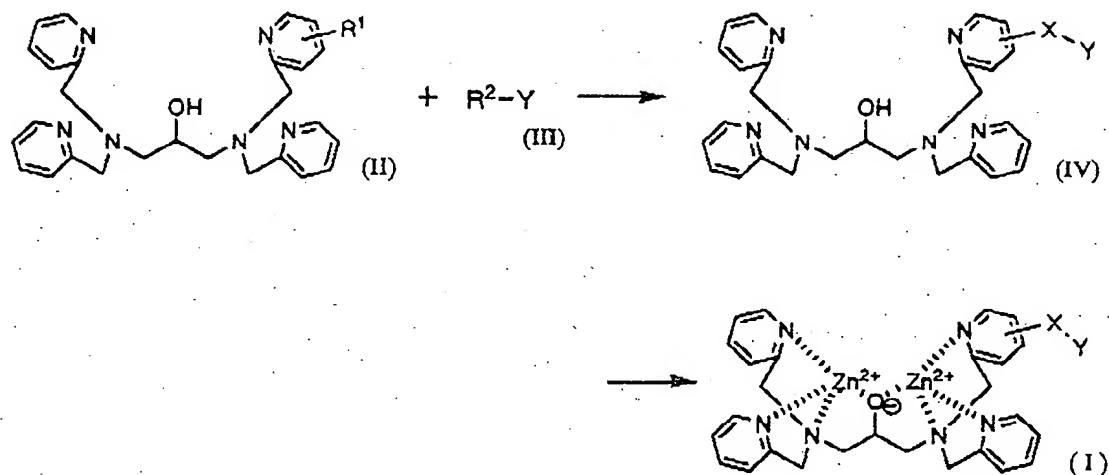


wherein X is a linker moiety, and Y is a labeling group.

- 20 6. The complex compound according to Claim 5, wherein the labeling group is biotin.

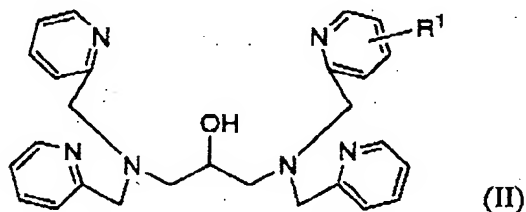
7. A method for producing the compound (I), comprising Scheme 1.

Scheme 1



wherein R^1 and R^2 each is a reactive group for forming the linker moiety X , and Y is a labeling group.

8. A compound represented by the formula (II):



wherein R^1 is a reactive group except an aminomethyl group, a hydroxymethyl group, an amino group, and a carboxyl group.